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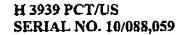
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SEARCH REQUEST FORM

Scientific and Technical Information Center

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Please provide a detailed statement of the Include the elected species or structures, a utility of the invention. Define any terms known. Please attach a copy of the cover	search topic, and describe a keywords, synonyms, acron that may have a special me sheet, pertinent claims, and	as specifically as possible the subject matter to be syms, and registry numbers, and combine with the caning. Give examples or relevant citations, authorabstract.	e concept or
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PTO-1590 (8-01)



Applicants respectfully request that the Examiner consider the examination of a subspecies of formula (I) in which only one of R1 to R4 is a C5 ring with the remaining ones being H or an hydroxyalkyl group. X would be limited to H.7 However, in the event that the species election requirement is maintained and for the sole purpose of submitting a response to the species election, Applicants provisionally adopt, with traverse, the species, 1-(N-cyclopentylamino)-2-nitro-4-aminobenzene. All pending claims are readable on the elected species. However, no subject matter is being cancelled in order to afford the Examiner the opportunity to reconsider and withdrawn the recited species election.

Applicants again respectfully request that the Examiner reconsider this species election especially in view of the fact that during the examination of the corresponding international application, no objection was raised for failing to comply with PCT Rule 13.1. By attempting to split this application into one or more additional divisional applications there is an undue hardship that would be placed on Applicants' Assignee due to the additional fees that must be borne for the filing, prosecuting and maintaining of such derivative applications.

Applicants respectfully request the favorable reconsideration of all pending claims. The Commissioner is authorized to charge any deficiency in the required fee or to credit any overpayment made in connection with this response to Deposit Account 01-1250.

Respectfully Submitted,

Gregory M. Hill Reg. No. 31,369

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Docket No. H3939 PCT/US PCT/EP00/08773

--19. (NEW) A method for coloring or tinting keratin fibers comprising applying to keratin fibers a coloring or tinting composition comprising at least one 2-nitro-p-phenylenediamine derivative corresponding to formula (I) as a substantive dye:

$$X + NR^{1}R^{2}$$

$$NO_{2}$$

$$NR^{3}R^{4}$$
(I)

wherein R^1 to R^4 , independently of one another, represent hydrogen, a $C_{1.4}$ hydroxyalkyl group or a saturated, monounsaturated or polyunsaturated C_5 ring, wherein the C_5 ring is optionally substituted by a $C_{1.4}$ alkyl group, a halogen atom, a hydroxy group or an amino group or combinations thereof, and wherein at least one of the substituents R^1 to R^4 is the C_5 ring;

wherein X is hydrogen or a halogen atom; and

wherein the 2-nitro-p-phenylenediamine derivative makes a reddish contribution to the overall color of the keratin fibers.

- 20. (NEW) The method of claim 19 wherein X is hydrogen.
- 21. (NEW) The method of claim 19 wherein R² to R⁴ are hydrogen.
- 22. (NEW) The method of claim 21, wherein the compound corresponding to formula (I) comprises 1-(N-cyclopentylamino)-2-nitro-4-aminobenzene.

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23. (NEW) A composition for coloring or tinting keratin fibers comprising at least one 2-nitro-p-phenylenediamine derivative corresponding to formula (I) as a substantive dye:

$$NR^{1}R^{2}$$
 NO_{2}
 $NR^{3}R^{4}$
(I)

wherein R^1 to R^4 , independently of one another, represent hydrogen, a C_{1-4} hydroxyalkyl group or a saturated, monounsaturated or polyunsaturated C_5 ring, wherein the C_5 ring may be optionally substituted by a C_{1-4} alkyl group, a halogen atom, a hydroxy group or an amino group or combinations thereof, and wherein at least one of the substituents R^1 to R^4 is the C_5 ring; and

wherein X is hydrogen or a halogen atom.

- 24. (NEW) The composition of claim 23 wherein X is hydrogen.
- 25. (NEW) The composition of claim 23 wherein R² to R⁴ are hydrogen.
- 26. (NEW) The composition of claim 25 wherein the compound corresponding to formula (I) comprises 1-(N-cyclopentylamino)-2-nitro-4-aminobenzene.
- 27. (NEW) The composition of claim 23 wherein the composition comprises at least one substantive dye different from the substantive dye of formula (I).

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- 28. (NEW) The composition of claim 23 wherein the composition is free from oxidation dye precursors.
- 29. (NEW) The composition of claim 28 wherein the composition is formulated to remain on the hair.
- 30. (NEW) The composition of claim 29 wherein the composition is a hair-setting preparation.
- 31. (NEW) The composition of claim 23 further comprising at least one primary intermediate.
- 32. (NEW) The composition of claim 31 wherein the primary intermediate comprises p-phenylenediamine, p-toluylenediamine, p-aminophenol, 1-(2'-hydroxyethyl)-2,5-diaminobenzene, N,N-bis-(2-hydroxyethyl)-p-phenylenediamine, 4-amino-3-methylphenol, 4-amino-2-((diethylamino)-methyl)-phenol, 2-aminomethyl-4-aminophenol, 2,4,5,6-tetraaminopyrimidine, 2-hydroxy-4,5,6-triaminopyrimidine, 4-hydroxy-2,5,6-triaminopyrimidine or 4,5-diamino-1-(2'-hydroxyethyl)-pyrazole, or combinations thereof.
- 33. (NEW) The composition of claim 32 further comprising at least one secondary intermediate, wherein the secondary intermediate comprises 1-naphthol, 1,5- dihydroxynaphthalene, 2,7- dihydroxynaphthalene, 1,7-dihydroxynaphthalene, 3-aminophenol, 5-amino-2-methylphenol, resorcinol, 4-chlororesorcinol, 2-chloro-6-methyl-3-aminophenol, 2-methyl resorcinol, 5-methyl resorcinol, 2,5-dimethyl resorcinol or 2,6-dihydroxy-3,4-diaminopyridine, or combinations thereof.

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- 34. (NEW) The composition of claim 31 further comprising at least one secondary intermediate, wherein the secondary intermediate comprises 1-naphthol, 1,5- dihydroxynaphthalene, 2,7- dihydroxynaphthalene, 1,7-dihydroxynaphthalene, 3-aminophenol, 5-amino-2-methylphenol, resorcinol, 4-chlororesorcinol, 2-chloro-6-methyl-3-aminophenol, 2-methyl resorcinol, 5-methyl resorcinol, 2,5-dimethyl resorcinol or 2,6-dihydroxy-3,4-diaminopyridine, or combinations thereof.
- 35. (NEW) The composition of claim 23 further comprising at least one anionic polymer, nonionic polymer or cationic polymer, or combinations thereof.
 - 36. (NEW) The composition of claim 23 further comprising at least one surfactant.
- 37. (NEW) The composition of claim 23 further comprising at least one conditioning component.
- 38. (NEW) The composition of claim 23 wherein the 2-nitro-p-phenylenediamine derivative makes a reddish contribution to the overall color of the keratin fibers.